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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/845,724	05/02/2001	Fuzhai Cui	2191/49928	3811	
23911 7	590 09/26/2003	• •			
CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP P.O. BOX 14300			EXAMINER		
			NAFF, DAVID M		
WASHINGTON, DC 20044-4300			ART UNIT	PAPER NUMBER	
			1651		
			DATE MAILED: 09/26/2003	DATE MAILED: 09/26/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

	A. II. d. M.	A Lia ant/a)				
	Application No.	Applicant(s)				
Office Action Summary	09/845,724	CUI ET AL.				
Office Action Summary	Examiner	Art Unit				
The MAN INC DATE of this communication and	David M. Naff	1651				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address P riod for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status						
1) Responsive to communication(s) filed on <u>02 May 2001</u> .						
2a) This action is <b>FINAL</b> . 2b) Thi	is action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims						
4)⊠ Claim(s) <u>1-10</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) ☐ Claim(s) is/are objected to.						
8) Claim(s) <u>1-10</u> are subject to restriction and/or election requirement.						
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
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13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)⊠ All b)□ Some * c)□ None of:						
1.⊠ Certified copies of the priority documents have been received.						
<ul> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage</li> </ul>						
application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)     Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal Pa	(PTO-413) Paper No(s) atent Application (PTO-152)				

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Claims in the application are 1-10.

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-3, drawn to a nano-calcium phosphate/collagen composite, classified in class 424, subclass 423.
- II. Claim 4, drawn to a process for preparing the composite, classified in class 530, subclass 356.
- III. Claim 5, 6, 9 and 10 drawn to a porous bone substitute or tissue engineering scaffold that is a complex of the composite with a polymer, classified in class \$\frac{1}{3}\$5, subclass 395.
- IV. Claim 7, 8, 9 and 10 drawn to a process for preparing the bone substitute or scaffold, classified in class 530, subclass 402.

The inventions are distinct, each from the other because of the following reasons:

The composite of I can be prepared by a process not requiring the specific steps and conditions required by II. The composite of I does not have to be complexed with a polymer as required by III and IV, and the composite and complex can have different uses such as the composite can be used in vivo whereas the complex can be used as a scaffold for growing cells in vitro. The complex of III is prepared by a different process than required by II, and the complex can be prepared without the specific steps and conditions of the process of III. The process of II requires different steps and conditions from

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the process of IV, and each process can be performed without carrying out the other to produce a different end product.

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Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

10 Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David M. Naff whose telephone number is 703-308-0520. The examiner can normally be reached on Monday-Friday 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Wityshyn can be reached on 703-308-4743. The fax phone number for the organization where this application i8s assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application should be directed to the receptionist whose telephone number is 703-308-0196.

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David M. Naff Primary Examiner Art Unit 1651

DMN 9/24/03